

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT 03/00714A. CLASSIFICATION OF SUBJECT MATTER  
IPC. 7 A43C15/08 A43C15/14 A43C15/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A43C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 309 747 A (W.H. TORRENCE) 23 December 1884 (1884-12-23) page 1, line 46-85; figures 3-5,8 ---	1-6
Y	US 6 360 455 B1 (SEO SANG ROK) 26 March 2002 (2002-03-26) figure 1 ---	1-6
Y	US 4 745 692 A (LIAO KUO-CHEN) 24 May 1988 (1988-05-24) column 1, line 40 -column 2, line 39; figures 2,3 ---	1-3,5
A	FR 2 785 508 A (PETERS AMBROISE) 12 May 2000 (2000-05-12) page 1, line 11 -page 2, line 2; figures page 6, line 7-12 ---	1-6 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search

12 March 2004

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23/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Herry, M

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 997 055 A (B. GILOWITZ) 4 July 1911 (1911-07-04) figures -----	1
A	WO 00 04803 A (BRASCA ALFREDO ; AL PI S N C DI BELFIGLIO LUCIA (IT); BIANCUCCI DEM) 3 February 2000 (2000-02-03) cited in the application the whole document -----	1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IT 03/00714

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 309747	A	NONE		
US 6360455	B1	26-03-2002	CA WO	2375061 A1 0187105 A1 22-11-2001 22-11-2001
US 4745692	A	24-05-1988	DE GB	3709215 A1 2216771 A 06-10-1988 18-10-1989
FR 2785508	A	12-05-2000	FR FR EP	2785507 A1 2785508 A1 1044621 A2 12-05-2000 12-05-2000 18-10-2000
US 997055	A	NONE		
WO 0004803	A	03-02-2000	IT AT AU CA CN DE DE DK EE EP ES HU WO JP NO PL SK US	1299575 B1 236546 T 5192799 A 2337952 A1 1311639 T 69906744 D1 69906744 T2 1096867 T3 200100047 A 1096867 A1 2194493 T3 0102938 A2 0004803 A1 2002521075 T 20010399 A 345594 A1 952001 A3 6675504 B1 16-03-2000 15-04-2003 14-02-2000 03-02-2000 05-09-2001 15-05-2003 29-01-2004 04-08-2003 17-06-2002 09-05-2001 16-11-2003 28-12-2001 03-02-2000 16-07-2002 23-01-2001 17-12-2001 10-07-2001 13-01-2004